



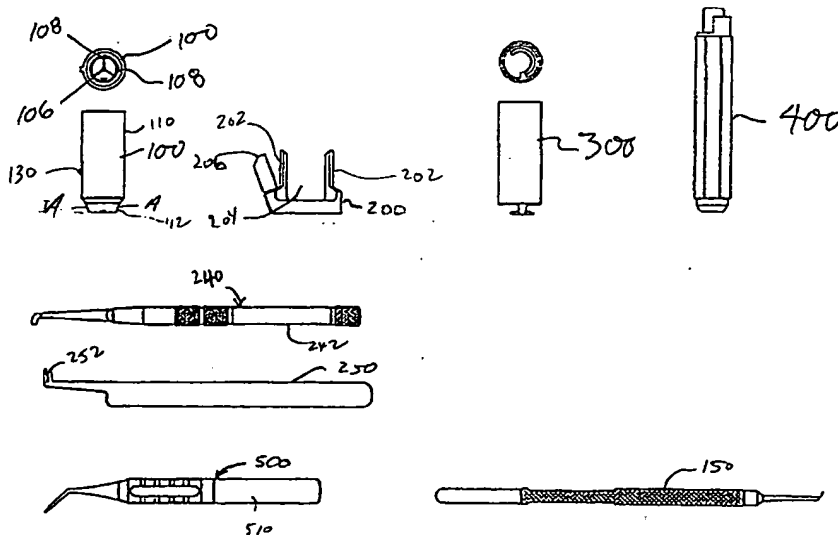
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(30) Priority Data: 60/020,996 19 July 1996 (19.07.96) US Not furnished 18 July 1997 (18.07.97) US			
(71) Applicant (for all designated States except US): KERAVISION, INC. [US/US]; 48630 Milmont Drive, Fremont, CA 94838-7353 (US).			
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(74) Agents: CANNON, Alan, W. et al.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304-1018 (US).			

(54) Title: OPHTHAMOLOGICAL INSTRUMENTS AND METHODS OF USE



(57) Abstract

An incision and placement marker (100) is used to place incision and positioning marks on the eye as well as to center a vacuum centering guide. A corneal spreader (150) forms pockets in the corneal tissue at the incision site. Clockwise and counter-clockwise glides (240) ease the insertion of clockwise and counter-clockwise dissector blades. A field dissector inspection gauge (400) is provided to check the planarity and concentricity of dissector gauges. Forceps (500) have a space having a predetermined shape to hold an implant at a predetermined acute angle. A kit includes the incision and placement marker (100), corneal spreader (150), glide (240), field dissector inspection gauge (400), and, optionally, the forceps (500). Methods of using the instruments are also provided.

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 97/12684

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 A61F9/007

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 6 A61F A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 95 18569 A (KERAVISION) 13 July 1995 see abstract see page 11, line 12 - page 12, line 29; figures 3,12A,12B	1,5
A	---	3,7
X	US 5 531 753 A (OLIVEIRA) 2 July 1996 see column 4, line 48 - column 5, line 23; figures 4A-4C	1,5,7
A	---	2
X	EP 0 541 316 A (MENICON CO.) 12 May 1993 see abstract see column 3, line 34 - column 7, line 22 ---	1,5
	-/--	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

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Date of the actual completion of the international search

3 November 1997

Date of mailing of the international search report

18.02.98

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Gronau

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 97/12684

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 403 335 A (LOOMAS ET AL.) 4 April 1995 see column 5, line 19 - column 6, line 27; figures 3-5 ---	1,5-7
X	US 4 417 579 A (SOLOVIEW ET AL.) 29 November 1983 see column 2, line 52 - column 4, line 14 -----	1,5,7

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 97/ 12684

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 29-32
because they relate to subject matter not required to be searched by this Authority, namely:
Diagnostic method practised on the human or animal body
See Rule 39.1(iv) PCT.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

SEE ANNEX

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-7

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

MULTIPLE INVENTIONS:

1. Claims : 1-7
Refer to an ocular marker
2. Claims : 8-12
Refer to a corneal spreader
3. Claims : 13-17
Refer to a glide
4. Claims : 18-23
Refer to a field dissector inspection gauge
5. Claims : 24,25
Refer to a forceps
6. Claims : 26-28
Refer to a kit for performing corneal surgery

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 97/12684

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9518569 A	13-07-1995	AU 1557895 A CA 2180756 A EP 0738128 A JP 9510883 T	01-08-1995 13-07-1995 23-10-1996 04-11-1997
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US 4417579 A	29-11-1983	NONE	

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